

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("6290639").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/11 17:11
L4	3	("4104005"   "4508535"   "5810708").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 17:15
L5	0	("6290639").URPN.	USPAT	OR	OFF	2006/09/11 17:17
L6	0	("6290639").URPN.	USPAT	OR	OFF	2006/09/11 17:18
L8	908	(blood with pump) and (rotat\$5 and lock)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/11 17:22
L9	764	I8 and patient	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/11 17:23
L10	351	I9 and (conduit tube) same pump	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/11 17:21
L11	47	I10 and (conduit tube) with rigid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/11 17:23
L12	504	(heart with pump) and (rotat\$5 and lock)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/11 17:22
L13	468	I12 and patient	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/11 17:23
L14	81	I13 and (conduit tube) with rigid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/11 17:23
L15	932	(600/16,17).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/11 17:26
L16	51	I15 and (conduit tube) with rigid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/11 17:26

## EAST Search History

L17	6	("4104005"   "4508535"   "5511958"   "5755784"   "5810708"   "5964694"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 17:33
L28	1294	patient same (conduit tube) same ((blood with pump) (circulatory with pump))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 17:35
L29	153	I28 and (conduit tube) with rigid	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 17:37
L30	5270	mechanical with heart	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 17:37
L31	4344	I30 and patient	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 17:38
L32	249	I31 and (conduit tube) with rigid	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 17:38
L33	59	I32 and lock and (rotate rotatable)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 17:41
L34	0	600/16.ccls. and method and conduit and circulatory and "patient.clm"	US-PGPUB	OR	OFF	2006/09/11 17:42
L35	38	600/16.ccls. and method and conduit and circulatory and patient.clm.	US-PGPUB	OR	OFF	2006/09/11 18:11
L36	665	heart same assist\$4 and circulatory and patient	US-PGPUB	OR	OFF	2006/09/11 17:45
L37	1581	heart same assist\$4 and circulatory and patient	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2006/09/11 17:45
L38	122	I37 and (conduit tube) with rigid	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2006/09/11 17:45
L39	43	I38 and (conduit tube) and lock	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2006/09/11 17:46
L40	18	(takeshi near tsubouchi).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/11 18:10
L41	14	606/153.ccls. and method and conduit and circulatory and patient.clm.	US-PGPUB	OR	OFF	2006/09/11 18:12

## EAST Search History

S1	4	((("6001056") or ("6290639"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/10 14:20
S2	2366	tsubouchi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 14:21
S3	20	tsubouchi.in. and blood	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 14:22
S4	76	tsubouchi.in. and takeshi	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 14:22
S5	10	tsubouchi.in. and (takeshi near tsubouchi)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 14:23
S6	3	("4104005"   "4508535"   "5810708"). PN.	USPAT	OR	ON	2004/06/10 14:39
S7	18	("3409914"   "4086665"   "4195623"   "4222127"   "4247292"   "4581029"   "4629459"   "4759758"   "4759759"   "4838889"   "4902291"   "4925377"   "5123919"   "5129789"   "5133744"   "5139515"   "5147385"   "5609626"). PN.	USPAT	OR	ON	2004/06/10 14:39
S8	6	"5810708".URPN.	USPAT	OR	ON	2004/06/10 14:40
S9	0	"6290639".URPN.	USPAT	OR	ON	2004/06/10 14:41
S10	20	("3409914"   "4086665"   "4195623"   "4222127"   "4247292"   "4581029"   "4629459"   "4650486"   "4759758"   "4759759"   "4781716"   "4838889"   "4902291"   "4925377"   "5123919"   "5129789"   "5133744"   "5139515"   "5147385"   "5609626").PN.	USPAT	OR	ON	2004/06/10 14:42
S11	3	"6001056".URPN.	USPAT	OR	ON	2004/06/10 14:42

## EAST Search History

S12	18	("3409914"   "4086665"   "4195623"   "4222127"   "4247292"   "4581029"   "4629459"   "4759758"   "4759759"   "4838889"   "4902291"   "4925377"   "5123919"   "5129789"   "5133744"   "5139515"   "5147385"   "5609626"). PN.	USPAT	OR	ON	2004/06/10 14:43
S13	6	"5810708".URPN.	USPAT	OR	ON	2004/06/10 14:43
S14	6	"5810708".URPN.	USPAT	OR	ON	2004/06/10 14:43
S15	56	("2982511"   "3279464"   "3409913"   "3553736"   "3568214"   "3604016"   "3668708"   "3827426"   "3885251"   "4058855"   "4144595"   "4195623"   "4230096"   "4245622"   "4254622"   "4314550"   "4453537"   "4536893"   "4573997"   "4583523"   "4621617"   "4630597"   "4643733"   "4662598"   "4685446"   "4685447"   "4731076"   "4771765"   "4809676"   "4820303"   "4840940"   "4861330"   "4902273"   "4938766"   "4969864"   "4994078"   "4995857"   "5005591"   "5092879"   "5139517"   "5169378"   "5176619"   "5192314"   "5222980"   "5267940"   "5273518"   "5344385"   "5429584"   "5653676"   "5655548"   "5701919"   "5810708"   "5824071"   "5888186"   "5980448"   "5984857").PN.	USPAT	OR	ON	2004/06/10 14:44
S16	1	"6406422".URPN.	USPAT	OR	ON	2004/06/10 14:46
S17	6	("4104005"   "4508535"   "5511958"   "5755784"   "5810708"   "5964694"). PN.	USPAT	OR	ON	2004/06/10 14:46
S18	15	("3842440"   "4046137"   "4091471"   "4204524"   "4468177"   "4512726"   "4547911"   "4968293"   "4969864"   "5006104"   "5011380"   "5133743"   "5211659"   "5282850"   "5810708"). PN.	USPAT	OR	ON	2004/06/10 14:47
S19	25	("4105016"   "4397049"   "4427470"   "4512726"   "4547911"   "4820300"   "4820301"   "4888011"   "4981484"   "4994078"   "5041131"   "5041132"   "5135539"   "5222980"   "5267940"   "5282849"   "5314469"   "5332403"   "5417663"   "5456715"   "5599173"   "5688245"   "5713954"   "6001056"   "6066085").PN.	USPAT	OR	ON	2004/06/10 14:47

## EAST Search History

S20	2989	((600/16,17,18) or (623/2.\$,3.\$,900) or (606/194,195)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/10 14:51
S21	1502	((((600/16,17,18) or (623/2.\$,3.\$,900) or (606/194,195)).CCLS.) and heart	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 14:51
S22	1403	(((((600/16,17,18) or (623/2.\$,3.\$,900) or (606/194,195)).CCLS.) and heart) and blood	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 14:51
S23	443	((((((600/16,17,18) or (623/2.\$,3.\$,900) or (606/194,195)).CCLS.) and heart) and blood) and conduit	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 14:54
S24	346	((((((((600/16,17,18) or (623/2.\$,3.\$,900) or (606/194,195)).CCLS.) and heart) and blood) and conduit) and (assist mechanical)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 15:07
S25	249	(((((((((600/16,17,18) or (623/2.\$,3.\$,900) or (606/194,195)).CCLS.) and heart) and blood) and conduit) and (assist mechanical)) and (coupling couple connect attach)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 15:08
S26	178	((((((((((600/16,17,18) or (623/2.\$,3.\$,900) or (606/194,195)).CCLS.) and heart) and blood) and conduit) and (assist mechanical)) and (coupling couple connect attach)) and (rotate rotatable turn twist)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 15:32
S27	1477	((first near conduit) same (second near conduit)) same (connect couple join)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 15:34
S28	12	((((first near conduit) same (second near conduit)) same (connect couple join)) and ((curve curved bent) near conduit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 15:34
S29	3	("4104005"   "4508535"   "5810708").PN.	USPAT	OR	ON	2004/06/10 15:45
S30	0	"6290639".URPN.	USPAT	OR	ON	2004/06/10 15:46

## EAST Search History

S31	0	"6290639".URPN.	USPAT	OR	ON	2004/06/10 15:46
S32	18	("3409914"   "4086665"   "4195623"   "4222127"   "4247292"   "4581029"   "4629459"   "4759758"   "4759759"   "4838889"   "4902291"   "4925377"   "5123919"   "5129789"   "5133744"   "5139515"   "5147385"   "5609626"). PN.	USPAT	OR	ON	2004/06/10 15:47
S33	6	"5810708".URPN.	USPAT	OR	ON	2004/06/10 15:48
S34	33	(curved near ((first second) near conduit))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 15:50
S35	21	((curved near ((first second) near conduit))) and (rotate rotatable twist turn)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 16:00
S36	254	(128/202.27).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/10 16:01
S37	19	((128/202.27).CCLS.) and (rotate rotatable) and lock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 16:01
S38	127	hose same nut same lip	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 16:42
S39	13	hose same nut same lip same (rotate rotatable)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/10 16:43
S40	3	("4104005"   "4508535"   "5810708"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 12:39
S41	0	("6290639").URPN.	USPAT	OR	OFF	2005/05/02 12:40

## EAST Search History

S42	19	("3409914"   "4086665"   "4195623"   "4222127"   "4247292"   "4581029"   "4629459"   "4759758"   "4759759"   "4838889"   "4902291"   "4925377"   "5123919"   "5129789"   "5133744"   "5139515"   "5147385"   "5609626"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 12:41
S43	19	("3409914"   "4086665"   "4195623"   "4222127"   "4247292"   "4581029"   "4629459"   "4759758"   "4759759"   "4838889"   "4902291"   "4925377"   "5123919"   "5129789"   "5133744"   "5139515"   "5147385"   "5609626"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 12:42
S44	7	("5810708").URPN.	USPAT	OR	OFF	2005/05/02 12:46
S45	1428	rigid same curved same tube	USPAT	OR	OFF	2005/05/02 12:46
S46	602	rigid same tube same curved same (connect\$ coupl\$)	USPAT	OR	ON	2005/05/02 12:57
S47	33	rigid same tube same curved same (blood)	USPAT	OR	ON	2005/05/02 14:36
S48	4003	((606/153,156) or (604/8,264,533, 534,538)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 14:36
S49	306	S48 and (curved same (tube conduit))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 14:37
S50	247	S49 and (connection connector connecting connect)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 14:41
S51	130	S50 and rigid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 14:45
S52	30	S51 and (rotate rotatable rotatably)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 14:58
S53	2296	rigid same (tube conduit) same curved	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:02
S54	2002	S53 and (couple coupling connect\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:00

## EAST Search History

S55	1176	S54 and (rotat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:02
S56	61	rigid same (tube conduit) same curved same (couple coupling connector connecting) same rotat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:11
S57	746	(tube conduit) same curved same (couple coupling connector connecting) same rotat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:11
S58	259	S57 and rigid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:11
S59	198	S58 not S56	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:11
S60	40	("2122051"   "2302617"   "2625955"   "2644543"   "2834615"   "3036601"   "3346887"   "3593732"   "3620241"   "3980324"   "4145768"   "4221406"   "4250920"   "4454891"   "4721331"   "4771485"   "4856121"   "4859320"   "4882061"   "4930816"   "4998754"   "5039134"   "5104150"   "5119860"   "5132017"   "5143601"   "5152321"   "5176165"   "5351996"   "5449456"   "5681459"   "5899234"   "5944985"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 15:14
S61	0	("6651272").URPN.	USPAT	OR	OFF	2005/05/02 15:21
S62	0	pumbing and (tube conduit) and (rotat\$)	USPAT	OR	OFF	2005/05/02 15:22
S63	4195	plumbing and (tube conduit) and (rotat\$)	USPAT	OR	OFF	2005/05/02 15:22
S64	439	plumbing and (rigid same (tube conduit)) and (rotat\$)	USPAT	OR	OFF	2005/05/02 15:22
S65	53	S64 and (threaded same lock)	USPAT	OR	OFF	2005/05/02 15:22
S66	95	plumbing and (slip near joint)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:29
S67	43	S66 and rotat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:34



## EAST Search History

S68	494	tubing and (slip near joint)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:35
S69	3435040	S68 (rotat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:35
S70	343	S68 and (rotat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:35
S71	142	S70 and lock	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:37
S72	26	(slip adj joint) same rotat\$ same lock	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:38
S73	1155	(conduit tube) same lock same nut same rotat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:39
S74	223	S73 and joint	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:40
S75	7	(slip adj joint) same (connect) same conduit	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:43
S76	16	(slip adj joint) same (connect) same pipe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:44
S77	3	(slip adj joint) same (connect) same hose	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:45
S78	12	(slip adj joint) same (connect) same tubing	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:45
S79	83	(slip adj joint) same rotatable	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:46

## EAST Search History

S80	1150	((conduit pipe tube) same connect\$) same (lock near nut)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:47
S81	720	S80 and (rotat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:48
S82	7077	(lock near washer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:51
S83	153	(lock near washer) same (conduit tube pipe) same rotat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 15:52
S84	31	("0299661"   "0301900"   "0958752"   "0969358"   "0982836"   "1041260"   "1308853"   "2078192"   "2521127"   "2968440"   "3180659"   "3451483"   "3529671"   "3807503"   "4007877"   "4083410"   "4433725"   "4603887"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 15:54
S85	121	(slip adj joint) and plumbing	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 15:55
S86	56	(slip adj joint) near (pipe conduit)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 10:58
S87	7	(slip adj joint) near (plumbing)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 10:59
S88	12	(slip adj joint) near (conduit)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 11:00
S89	19	(slip adj joint) near (tube)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 11:00
S90	29	heart and (slip adj joint)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 11:01

## EAST Search History

S91	214	(slip adj joint) same (rotate rotatable)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 11:02
S92	4006	((606/153,156) or (604/8,264,533, 534,538)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 11:28
S93	1090	S92 and heart	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 11:28
S94	412	S93 and conduit	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 11:28
S95	138	S94 and pump	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 11:36
S96	17	"606"/\$.ccls. and (slip adj joint)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 11:37
S97	0	"128"/\$.ccls. and (slip adj join)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 11:37
S98	16	"128"/\$.ccls. and (slip adj joint)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 11:42
S99	0	impant same conduit same fixed	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 11:42
S10 0	34	implant same conduit same (rotat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/03 11:42
S10 1	10025	plumbing and (swivel rotat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/20 13:39
S10 3	35	(curved near ((first second) near conduit))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 12:07

## EAST Search History

S10 4	10030	plumbing and (swivel rotat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/25 12:08
S10 5	46	S104 and (slip near joint)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/25 12:13
S10 6	915	pipe and (slip near joint)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/25 12:13
S10 7	64	S106 and plumbing	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/25 12:13
S10 8	2	("10262430").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/25 13:55
S10 9	2	("5775320").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/25 13:56
S11 0	21	("3409914"   "4086665"   "4195623"   "4222127"   "4247292"   "4581029"   "4629459"   "4650486"   "4759758"   "4759759"   "4781716"   "4838889"   "4902291"   "4925377"   "5123919"   "5129789"   "5133744"   "5139515"   "5147385"   "5609626").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/16 12:10
S11 1	11	("3409914").URPN.	USPAT	OR	OFF	2006/03/16 12:16
S11 2	56	("4086665").URPN.	USPAT	OR	OFF	2006/03/16 12:44
S11 4	2423	((606/153) or (600/16) or (604/8, 534)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/16 12:48
S11 5	11	S114 and rigid and conduit and circulatory and coupling and rotatable	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/16 12:51
S11 6	28	S114 and rigid and conduit and heart and coupling and rotatable	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/16 13:06

## EAST Search History

S11 7	0	(606/3.1,3.26,3.3).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/16 13:06
S11 8	152	(623/3.1,3.26,3.3).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/16 13:07